

# IL11RA Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21725b

#### **Product Information**

**Application** WB, E **Primary Accession** Q14626 Reactivity Human Host Rabbit Clonality polyclonal Isotype Rabbit IgG **Clone Names** RB48089 **Calculated MW** 45222

#### **Additional Information**

**Gene ID** 3590

Other Names Interleukin-11 receptor subunit alpha, IL-11 receptor subunit alpha, IL-11R

subunit alpha, IL-11R-alpha, IL-11RA, IL11RA

Target/Specificity This IL11RA antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 374-407 amino acids from the

C-terminal region of human IL11RA.

**Dilution** WB~~1:2000 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** IL11RA Antibody (C-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

#### **Protein Information**

Name IL11RA ( HGNC:5967)

**Function** Receptor for interleukin-11 (IL11). The receptor systems for IL6, LIF, OSM,

CNTF, IL11 and CT1 can utilize IL6ST for initiating signal transmission. The IL11/IL11RA/IL6ST complex may be involved in the control of proliferation and/or differentiation of skeletogenic progenitor or other mesenchymal cells (Probable). Essential for the normal development of craniofacial bones and

teeth. Restricts suture fusion and tooth number.

**Cellular Location** [Interleukin-11 receptor subunit alpha]: Membrane; Single-pass type I

membrane protein [Isoform HCR2]: Secreted

**Tissue Location** Expressed in a number of cell lines, including the myelogenous leukemia cell

line K-562, the megakaryocytic leukemia cell line M-07e, the erythroleukemia

cell line TF-1, and the osteosarcoma cell lines, MG-63 and SaOS-2 (PubMed:7670098). Also expressed in normal and malignant prostate epithelial cell lines. Expression levels are increased in prostate carcinoma.

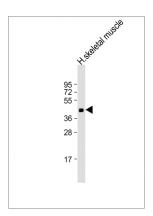
### **Background**

Receptor for interleukin-11. The receptor systems for IL6, LIF, OSM, CNTF, IL11 and CT1 can utilize IL6ST for initiating signal transmission. The IL11/IL11RA/IL6ST complex may be involved in the control of proliferation and/or differentiation of skeletogenic progenitor or other mesenchymal cells. Essential for the normal development of craniofacial bones and teeth. Restricts suture fusion and tooth number.

#### References

Cherel M.,et al.Blood 86:2534-2540(1995).
Van Leuven F.,et al.Genomics 31:65-70(1996).
Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.I.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

## **Images**



Anti-IL11RA Antibody (C-term) at 1:2000 dilution + human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.